

# *Psychological Research*

An International Journal of Perception  
Learning and Communication  
Founded as  
Psychologische Forschung

**Vol. 38 1975/76**

---

## **Edited by**

D. E. Broadbent, Oxford C. N. Cofer, University Park, Pa.  
K. Foppa, Bern R. B. Freeman, Jr., Konstanz R. Held, Cambridge, Mass.  
Th. Herrmann, Marburg H. Hörmann, Bochum  
H. M. B. Hurwitz, Guelph, Ontario G. Johansson, Uppsala  
H. W. Leibowitz, University Park, Pa.  
J. A. Michon, Groningen Y. Tanaka, Tokyo

## **Board of Co-Editors**

N. Bischof, Pasadena, CA J. Bures, Praha J. Drösler, Regensburg  
G. B. Flores d'Arcais, Leiden J. P. Flynn, New Haven R. N. Haber, Rochester, N. Y.  
J. C. Hitt, Fort Worth, Texas F. Klix, Berlin I. Kohler, Innsbruck  
W. J. M. Levelt, Nijmegen P. Leyhausen, Wuppertal-Elberfeld F. Merz, Marburg  
T. Oyama, Tokyo K. Pawlik, Hamburg D. Ploog, München  
E. G. F. Sauer, Bonn H. Schöne, Seewiesen G. Tembrock, Berlin

---



**Springer-Verlag Berlin · Heidelberg · New York**

With the acceptance of the manuscript for publication the exclusive copyright for all languages and countries, including the right for photomechanical and any other reproduction, also in microform, is transferred to the publishers.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free general for use.

Springer-Verlag Berlin Heidelberg New York

Printed in Germany by Carl Ritter & Co. Wiesbaden

© by Springer-Verlag Berlin Heidelberg 1975/76

Adorjani, Cs., Von der Heydt, R., Baumgartner, G.: Neuronal Plasticity in the Afferent Visual System. I. Effect of Flicker Stimulation Responses of Retinal and Geniculate Units in the Cat. . . . .	117
Adorjani, Cs., Von der Heydt, R., Keller, H., Baumgartner, G.: Neuronal Plasticity in the Afferent Visual System. II. Conditioned Modifications in Geniculate Neurons	147
Baird, J. C., see Noma, E. . . . .	81
Baird, J. C., see Weissmann, S. M., et al. . . . .	97
Baird, J. C.: Psychophysical Study of Numbers. IV. Generalized Preferred State Theory	175
Baird, J. C.: Psychophysical Study of Numbers. V. Preferred State Theory of Matching Functions . . . . .	189
Baumgartner, G., see Adorjani, Cs., et al. . . . .	117
Baumgartner, G., see Adorjani, Cs., et al. . . . .	147
Börjesson, E., Von Hofsten, C.: A Vector Model for Perceived Object Rotation and Translation in Space . . . . .	209
Bonnet, C., Bouvier, A., Petiteau, H.: Phases in Movement After-Effects and Their Relationship to the Kinetic Figural Effect. Adaptation and Conditioning Processes	267
Bosshardt, H.-G.: The Influence of Visual and Auditory Images on Visual and Auditory Word Identification . . . . .	1
Bouvier, A., see Bonnet, C., et al. . . . .	267
Brambring, M.: The Structure of Haptic Space in the Blind and Sighted . . . . .	283
Ebenholtz, S. M., Paap, K. R.: Further Evidence for an Orientation Constancy Based upon Registration of Ocular Position. . . . .	395
Fillenbaum, S.: Inducements: On the Phrasing and Logic of Conditional Promises, Threats, and Warnings . . . . .	231
Foley, J. E., McChesney, J.: The Selective Utilization of Information in the Optic Array	251
Hammond, I. J., see Tolkmitt, F. J. . . . .	65
Herrmann, Th., Laucht, M.: On Multiple Verbal Codability of Objects. . . . .	355
Hockley, W. E., see Murray, D. J., et al. . . . .	319
Hollingsworth, S. R., see Weissmann, S. M., et al. . . . .	97
Johansson, G.: Spatio-Temporal Differentiation and Integration in Visual Motion Perception. An Experimental and Theoretical Analysis of Calculus-Like Functions in Visual Data Processing . . . . .	379
Keller, H., see Adorjani, Cs., et al. . . . .	147
Kleiter, G. D.: Estimating the Planning Horizon in a Multistage Decision Task . . .	37
Knapp, A., see Schindler, U. . . . .	303
Laucht, M., see Herrmann, Th. . . . .	355
McChesney, J., see Foley, J. E. . . . .	251
Murray, D. J., Pye, C., Hockley, W. E.: Standing's Power Function in Long-Term Memory. Further Research . . . . .	319
Noma, E., Baird, J. C.: Psychophysical Study of Numbers. II. Theoretical Models of Number Generation . . . . .	81
Paap, K. R., see Ebenholtz, S. M. . . . .	395
Perret, E., see Ruff, R. M. . . . .	369
Petiteau, H., see Bonnet, C. . . . .	267
Pye, C., see Murray, D. J., et al. . . . .	319
Ruff, R. M., Perret, E.: Auditory Spatial Pattern Perception Aided by Visual Choices	369
Schindler, U., Knapp, A.: Ursachen der gegenseitigen Verdeckung von taktil dar- gebotenen Buchstaben: Unterbrechung, Summation oder Verzögerung? . . . . .	303
Schmidt, R.: On the Spread of Semantic Excitation . . . . .	333
Schulter, G.: Functional Aspects of Information Processing in Human Memory . .	23
Tolkmitt, F. J., Hammond, I. J.: Single Cell Recordings from the Visual Cortex of a Computer . . . . .	65
Von der Heydt, R., see Adorjani, Cs., et al. . . . .	117
Von der Heydt, R., see Adorjani, Cs., et al. . . . .	147
Von Hofsten, C., see Börjesson, E. . . . .	209
Weissmann, S. M., Hollingsworth, S. R., Baird, J. C.: Psychophysical Study of Numbers. III. Methodological Applications . . . . .	97



